

**Notice of Allowability**

Application No.

10/664,153

Examiner

Vincent E. Kovalick

Applicant(s)

TANIGUCHI ET AL.

Art Unit

2629

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's amendment dated 3/20/07.
2. ☒ The allowed claim(s) is/are 2-3, 5-6, 8-9 and 11-22 (re-numbered 1-18).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 11/10/05 & 4/2/07
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## DETAILED ACTION

### *Response to Amendment*

1. This Office Action is in response to Applicant's Amendment dated March 20, 2007 to USPTO Office Action dated December 20, 2006.

The cancellation of claims 1, 4, 7 and 10, the amendments to claims 2, 3, 5, 6, 8 and 11 and the merit of Applicant's remarks are sufficient to place the application in a condition for allowance as set forth hereinbelow.

### *Allowable Subject Matter*

2. Claims 2-3, 5-6, 8-9 and 11-22 are allowed.

3. The following is an examiner's statement of reasons for allowance:

Relative to claims 2, the major difference between the teachings of the prior art of record Matsuoka et al. (Pub. No. US 2001/0028350); Sall, (USP 6,859,219) and Hamagishi, (USP 6,049,424) and that of the instant invention is that said prior art of record **does not teach** electronics comprising an alarm setting portion wherein when an alarm set by said alarm setting portion is issued, said switching portion switches a screen displayed on said display portion from a screen in a three-dimensional image to an alarm notice screen in a two-dimensional image.

Regarding claims 3, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** the said electronics including at least one of a phone call reception portion and a mail reception portion, wherein when said phone call reception portion receives a phone call or said mail reception portion receives mail, said switching portion switches a screen displayed on said display portion from a screen in a three-dimensional image to a phone call or mail reception screen in a two-dimensional image.

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Regarding claim 5, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** the said electronics wherein the three-dimensional image displayed on said display portion is an idle screen in a three-dimensional image.

Relative to claim 6, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** electronics comprising: a display portion selectively switching and displaying a two-dimensional image and a three-dimensional image; and a portion compulsorily switching a representation, compulsorily switching to a two-dimensional image a three-dimensional image displayed on said display portion, wherein: said portion compulsorily switching a representation includes a key entry portion; and when said display portion displays a three-dimensional image and said key entry portion is operated, said portion compulsorily switching a representation operates in response to a key entry operation via said key entry portion to compulsorily switch said three-dimensional image to a two-dimensional image, wherein the three-dimensional image displayed on said display portion is an idle screen in a three-dimensional image.

Relative to claim 8 the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** the said electronics wherein portion compulsorily switching a representation includes a time counting portion; said time counting portion counts a time of displaying a three-dimensional image on said display portion; and when said display portion displays a three-dimensional image for a predetermined period of time, said portion compulsorily switching a representation switches said three-dimensional image on said display portion compulsorily to a two-dimensional image.

Regarding claim 11, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** the said electronics wherein data for displaying said screen in said 3D image displayed on said display portion and data for displaying said screen in said 2D image displayed on said display portion are identical.

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Regarding claim 12, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** the said electronics comprising a display portion depending on a selection of formation of a parallax optical system to switch and display a two-dimensional image and a three-dimensional image; a representation switching portion issuing an instruction to switch a representation on said display portion between a two-dimensional image and a three-dimensional image associated with the parallax optical system; and a data generation portion operative in response to said instruction to generate data of an indication in a two-dimensional image and data of an indication in a three-dimensional image from single data.

Regarding claim 19, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art of record **does not teach** the said electronics with a first casing and a second casing linked to allow said electronics to be foldable, comprising: a first display portion located inside with said electronics folded, and selectively switching and displaying two dimensional image and a three-dimensional image; a second display portion located outside with said electronics folded and displaying selected images .

a control portion operative in response to said electronics being folded or opened to switch an indication of an idle screen on said first display portion in a three-dimensional image and that of an idle screen on said second display portion in a two-dimensional.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### **Conclusion**

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure..

U. S. Patent No.	5,777,588	Woodgate et al
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U. S. Patent No.	5,831,765	Nakayama et al.
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U. S. Patent No.	6,392,644	Miyata et al.
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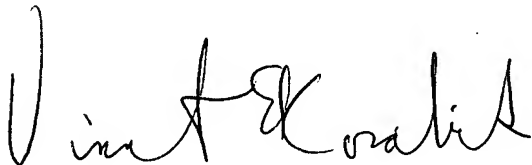
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***To Respond***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent E. Kovalick whose telephone number is 571-272-7669. The examiner can normally be reached on Monday-Thursday 7:30- 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Vincent E. Kovalick

April 19, 2007



BIPIN SHALWALA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600